

1743  
\$

## UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Manfred BERNDT

Serial No. 09/598,890

Filed: June 22, 2000

Group Art Unit: 1743

Examiner: Brian Gordon



For: SUPPLY ELEMENT FOR A LABORATORY MICROCHIP

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Dear Sir:

Transmitted herewith is a Supplemental Amendment in the above identified application.

☐ No additional fee is required.☐ Small entity status of this application has been established.☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.☐ Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	30	20	10	x \$ 18 =	\$180.00
Independent Claims	2	3		x \$ 80 =	
If multiple claims newly presented, add \$260.00					
<b>TOTAL FEE DUE</b>					<b>\$180.00</b>

☒ A credit card authorization form in the amount of \$180.00 is attached☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 07-1337, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

LOWE HAUPTMAN GILMAN &amp; BERNER, LLP

Henry M. Zykorie  
Registration No. 27,477USPTO Customer No. 22429  
1700 Diagonal Road, Suite 310  
Alexandria, Virginia 22314  
(703) 684-1111  
(703) 518-5499 Facsimile  
Date: October 25, 2002  
AML:HMZ:sbsRECEIVED  
OCT 29 2002  
TC 1700 MAIL ROOM

Docket No.: 4481-022



*D. Lawrence*  
*#101B*  
*10-31-02*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Manfred BERNDT

Serial No. 09/598,890

Filed: June 22, 2000

:  
:  
:  
:  
: Group Art Unit: 1743

: Examiner: Brian Gordon

For: SUPPLY ELEMENT FOR A LABORATORY MICROCHIP

SUPPLEMENTAL AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

Dear Sir:

Supplementing the Amendment of October 23, 2002, the following additional amendments and remarks are submitted.

RECEIVED  
OCT 29 2002  
TC 1700 MAIL ROOM

IN THE CLAIMS:

Please amend the claims as follows and substitute the following new claims:

*31*  
*Sub E107*  
*In combination, and a laboratory microchip comprising a microfluidic structure for at least one of chemical, physical, or biological processing, the microchip having a first supplier to supply substances to the microchip and a second supplier to supply a potential to the microchip to move substances corresponding to the microfluidic structure, the supply element comprising:*  
*at least one substance-containing third supplier adapted to contain a substance, said at least one third supplier having a seal arranged to be opened to the microchip in response to the supply element and the microchip being joined together to enable said substance to be transferred from said at least one third supplier to the first supplier of the microchip.*  
*see pg 7 of new spec*  
*at least 150 one summary*

*32*  
*Sub E107*  
*26. (Amended) The supply element of claim 17, further comprising a fourth supplier to transfer the potential to the microchip, said fourth supplier being arranged to be coupled to the corresponding second supplier on the microchip.*  
*no basis*  
*What is*